

**2016 Mathematics Standards of Learning
Algebra Readiness Formative Assessment**

6.6b

- 1. Students in Mr. Manley’s class lose three points on their grade, every time that they forget to turn in their homework.**
 - a. What integer represents the change in Erika’s grade if she forgets her homework 5 times?**
 - b. What would Erika’s grade end up to be if it had started at 82?**
 - c. If Subashni’s grade ended up being 59, what would it have been if she had not missed seven homework assignments?**

- 2. At 9am the elevator started on the 3rd floor of a building. At 9:10am the elevator ended on the 2nd floor of the building. Which of the following might represent the number of floors travelled during that time?**

$+8 - 4 + 8 - 10$	$+3 - 2 + 3 + 1$	$+4 - 5 - 7 + 10$	$+5 - 3 + 12 - 14$
$+4 + 7 - 5 + 7$	$+8 - 3 - 7 + 4$	$+6 - 4 - 8 + 10$	$+5 - 6 + 7 + 1$

- 3. If the temperature during the day is 6° and the temperature drops 15° after sunset, what is the temperature at night?**
 - A. -9°**
 - B. -6°**
 - C. 9°**
 - D. 21°**

- 4. Linda climbed a mountain to a height of 2,325 meters above sea level. Janice hiked down a canyon that is 37 meters below sea level. How much higher was Linda than Janice?**
 - A. -2,288 meters**
 - B. -2,288 meters**
 - C. 2,288 meters**
 - D. 2,362 meters**

5. Francie had \$250 in her savings account. For six months in a row, she withdrew \$30 each time. How much money did she have in her account at the end?
- A. \$70
 - B. \$110
 - C. \$180
 - D. \$430